Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/15/2019 09:35 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125241	0	1.17	125331	1.18
Blue	F	SSC	125000	125151	0	1.47	125935	1.46
Blue	E	FITC	16122	15654	-3	2.57	340	19.59
Blue	D	PE	29316	28733	-2	1.79	624	14.22
Blue	B	PerCP-Cy5-5	42590	42042	-2	3.54	1136	20.05
Blue	A	PE-Cy7	33146	33448	0	5.87	639	39.58
Red	C	APC	45473	45290	-1	2.37	1605	11.99
Red	A	APC-Cy7	31961	30705	-4	2.28	815	11.59
Violet	B	V450	7914	7460	-6	4.44	414	13.24
Violet	A	V500	29769	28570	-5	4.26	663	10.59

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21500	2.85	606	6	N/A	N/A	Pass
Blue	F	SSC	56870	1.04	552	14	N/A	N/A	Pass
Blue	E	FITC	61	65.09	538	1	0.0218	184	Pass
Blue	D	PE	131	48.86	540	3	0.1871	316	Pass
Blue	B	PerCP-Cy5-5	208	48.00	642	4	0.0092	18	Pass
Blue	A	PE-Cy7	119	98.22	696	5	0.0116	18	Pass
Red	C	APC	382	25.17	586	7	0.0250	169	Pass
Red	A	APC-Cy7	181	27.92	560	4	0.0060	1091	Pass
Violet	B	V450	64	59.30	463	3	0.0515	2017	Pass
Violet	A	V500	99	30.83	476	4	0.0214	309	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.52	-32.39	0.99
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.50
Red	16.08	13.60 - 20.40	N/A	N/A	30.10	30.29	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10526

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments